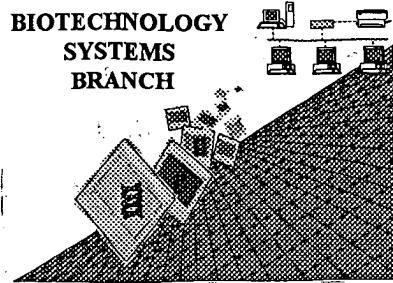


165-
17/20

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/663,516

Source:

1609

Date Processed by STIC:

1/18/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/663,576

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 Use of <220> Sequence(s) 1-28 (and more) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



1600

RECEIVED

JAN 28 2002

TECH CENTER 1600/2900

DATE: 01/18/2002
TIME: 07:56:03RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/663,516Input Set : A:\GA0129.ST25.txt
Output Set: N:\CRF3\01182002\I663516.raw

ppr 15
 Does Not Comply
 Corrected Diskette Needed

3 <110> APPLICANT: GENZYME CORPORATION
 4 Beaudry, Gary
 5 Madden, Stephen
 6 Bertelsen, Arthur
 8 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE IDENTIFICATION OF LUNG
 TUMOR CELLS

10 <130> FILE REFERENCE: GA0129C
 12 <140> CURRENT APPLICATION NUMBER: US 09/663,516
 13 <141> CURRENT FILING DATE: 2000-09-15
 15 <150> PRIOR APPLICATION NUMBER: PCT/US99/06938
 16 <151> PRIOR FILING DATE: 1999-03-30
 18 <150> PRIOR APPLICATION NUMBER: 60/080,037
 19 <151> PRIOR FILING DATE: 1998-03-31
 21 <160> NUMBER OF SEQ ID NOS: 40
 23 <170> SOFTWARE: PatentIn version 3.0

25 <210> SEQ ID NO: 1
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 27 <212> TYPE: DNA
 28 <213> ORGANISM: Artificial Sequence

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 W--> 30 <223> OTHER INFORMATION:

30 <400> SEQUENCE: 1
 31 aaggagcaag

34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 10
 36 <212> TYPE: DNA

37 <213> ORGANISM: Artificial Sequence

W--> 39 <220> FEATURE:

W--> 39 <223> OTHER INFORMATION:

39 <400> SEQUENCE: 2
 40 ctccctggcg

43 <210> SEQ ID NO: 3
 44 <211> LENGTH: 10
 45 <212> TYPE: DNA

46 <213> ORGANISM: Artificial Sequence

W--> 48 <220> FEATURE:

W--> 48 <223> OTHER INFORMATION:

48 <400> SEQUENCE: 3
 49 gatagcacag

52 <210> SEQ ID NO: 4
 53 <211> LENGTH: 10
 54 <212> TYPE: DNA

55 <213> ORGANISM: Artificial Sequence

W--> 57 <220> FEATURE:

global error → see item 11 on Error
 summary sheet

10

Same

10

10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/663,516

DATE: 01/18/2002

TIME: 07:56:03

Input Set : A:\GA0129.ST25.txt

Output Set: N:\CRF3\01182002\I663516.raw

W--> 57 <223> OTHER INFORMATION:

57 <400> SEQUENCE: 4

58 tgctgcctgt

10

61 <210> SEQ ID NO: 5

62 <211> LENGTH: 10

63 <212> TYPE: DNA

64 <213> ORGANISM: Artificial Sequence

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W--> 66 <223> OTHER INFORMATION:

66 <400> SEQUENCE: 5

67 ccatttttac

10

70 <210> SEQ ID NO: 6

71 <211> LENGTH: 10

72 <212> TYPE: DNA

73 <213> ORGANISM: Artificial Sequence

W--> 75 <220> FEATURE:

W--> 75 <223> OTHER INFORMATION:

75 <400> SEQUENCE: 6

76 gtccctgcct

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79 <210> SEQ ID NO: 7

80 <211> LENGTH: 10

81 <212> TYPE: DNA

82 <213> ORGANISM: Artificial Sequence

W--> 84 <220> FEATURE:

W--> 84 <223> OTHER INFORMATION:

84 <400> SEQUENCE: 7

85 caactaattc

10

88 <210> SEQ ID NO: 8

89 <211> LENGTH: 10

90 <212> TYPE: DNA

91 <213> ORGANISM: Artificial Sequence

W--> 93 <220> FEATURE:

W--> 93 <223> OTHER INFORMATION:

93 <400> SEQUENCE: 8

94 gttataagat

10

97 <210> SEQ ID NO: 9

98 <211> LENGTH: 10

99 <212> TYPE: DNA

100 <213> ORGANISM: Artificial Sequence

W--> 102 <220> FEATURE:

W--> 102 <223> OTHER INFORMATION:

102 <400> SEQUENCE: 9

103 tatttttgg

10

106 <210> SEQ ID NO: 10

107 <211> LENGTH: 10

108 <212> TYPE: DNA

109 <213> ORGANISM: Artificial Sequence

W--> 111 <220> FEATURE:

W--> 111 <223> OTHER INFORMATION:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/663,516

DATE: 01/18/2002
TIME: 07:56:03

Input Set : A:\GA0129.ST25.txt
Output Set: N:\CRF3\01182002\I663516.raw

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112 cagataacat
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116 <211> LENGTH: 10
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120 <400> SEQUENCE: 11
121 tgtacctgta
124 <210> SEQ ID NO: 12
125 <211> LENGTH: 10
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
W--> 129 <220> FEATURE:
W--> 129 <223> OTHER INFORMATION:
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130 ccaggggaga
133 <210> SEQ ID NO: 13
134 <211> LENGTH: 10
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
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W--> 138 <223> OTHER INFORMATION:
138 <400> SEQUENCE: 13
139 gagaaaaccc
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143 <211> LENGTH: 10
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
W--> 147 <220> FEATURE:
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148 atgtacctga
151 <210> SEQ ID NO: 15
152 <211> LENGTH: 10
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
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156 <400> SEQUENCE: 15
157 ttcttaacata
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161 <211> LENGTH: 10
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/663,516

DATE: 01/18/2002
TIME: 07:56:03

Input Set : A:\GA0129.ST25.txt
Output Set: N:\CRF3\01182002\I663516.raw

166 ggtggtgtct	10
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175 tactagtcct	10
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179 <211> LENGTH: 10	
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184 atgcagccat	10
187 <210> SEQ ID NO: 19	
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193 tgctgccctg	10
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201 <400> SEQUENCE: 20	
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208 <213> ORGANISM: Artificial Sequence	
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214 <210> SEQ ID NO: 22	
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219 <400> SEQUENCE: 22	
220 gatgaggaga	10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/663,516

DATE: 01/18/2002

TIME: 07:56:03

Input Set : A:\GA0129.ST25.txt

Output Set: N:\CRF3\01182002\I663516.raw

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 229 tggaaatgac 10
 232 <210> SEQ ID NO: 24
 233 <211> LENGTH: 10
 234 <212> TYPE: DNA
 235 <213> ORGANISM: Artificial Sequence
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 W--> 237 <223> OTHER INFORMATION:
 237 <400> SEQUENCE: 24
 238 taatactttt 10
 241 <210> SEQ ID NO: 25
 242 <211> LENGTH: 10
 243 <212> TYPE: DNA
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 252 <212> TYPE: DNA
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 256 aaggctggaa 10
 259 <210> SEQ ID NO: 27
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 261 <212> TYPE: DNA
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 265 cggccacaga 10
 268 <210> SEQ ID NO: 28
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 273 <400> SEQUENCE: 28
 274 ggcgcagactt 10
 277 <210> SEQ ID NO: 29

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/663,516

DATE: 01/18/2002

TIME: 07:56:04

Input Set : A:\GA0129.ST25.txt

Output Set: N:\CRF3\01182002\I663516.raw

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/663,516

DATE: 01/18/2002

TIME: 07:56:04

Input Set : A:\GA0129.ST25.txt

Output Set: N:\CRF3\01182002\I663516.raw

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